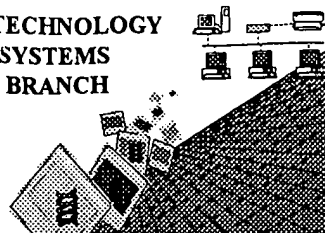


## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



1638  
RECEIVED  
NOV 04 2002  
TECH CENTER 1600/2900

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/936,216  
Source: 1600  
Date Processed by STIC: 10/30/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



1600

## RAW SEQUENCE LISTING

DATE: 10/30/2002

PATENT APPLICATION: US/09/936,216

TIME: 14:00:04

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\I936216.raw

3 <110> APPLICANT: Commonwealth Scientific and Industrial Research Organisation  
 5 <120> TITLE OF INVENTION: Plants and feed baits for controlling damage from  
 6 feeding insects  
 C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/936,216  
 C--> 8 <141> CURRENT FILING DATE: 2002-10-29  
 W--> 0 <130> FILE REFERENCE:  
 8 <160> NUMBER OF SEQ ID NOS: 18  
 10 <170> SOFTWARE: PatentIn Ver. 2.1  
 12 <210> SEQ ID NO: 1  
 13 <211> LENGTH: 5  
 14 <212> TYPE: PRT  
 15 <213> ORGANISM: Artificial Sequence  
 17 <220> FEATURE:  
 18 <223> OTHER INFORMATION: Description of Artificial Sequence: conserved  
 19 sequence of fusolin proteins  
 21 <400> SEQUENCE: 1  
 22 Val Arg Trp Gln Arg  
 23 1 5  
 27 <210> SEQ ID NO: 2  
 28 <211> LENGTH: 13  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Dermolepida albohirtum entomopoxvirus, and Melolontha melolontha  
 31 entomopoxvirus  
 33 <400> SEQUENCE: 2  
 34 His Gly Tyr Ile Thr Phe Pro Ile Ala Arg Gln Arg Arg  
 35 1 5 10  
 39 <210> SEQ ID NO: 3  
 40 <211> LENGTH: 13  
 41 <212> TYPE: PRT  
 42 <213> ORGANISM: Anomala cuprea entomopoxvirus  
 44 <400> SEQUENCE: 3  
 45 His Gly Tyr Val Thr Phe Pro Ile Ala Arg Gln Arg Arg  
 46 1 5 10  
 50 <210> SEQ ID NO: 4  
 51 <211> LENGTH: 13  
 52 <212> TYPE: PRT  
 53 <213> ORGANISM: Choristoneura biennis entomopoxvirus, Helicoverpa armigera  
 54 entomopoxvirus, and Pseudaletia separata entomopoxvirus  
 56 <400> SEQUENCE: 4  
 57 His Gly Tyr Met Thr Phe Pro Ile Ala Arg Gln Arg Arg  
 58 1 5 10  
 62 <210> SEQ ID NO: 5  
 63 <211> LENGTH: 13

Does Not Comply  
Corrected Diskette Needed

pp. 2, 6

## RAW SEQUENCE LISTING

DATE: 10/30/2002

PATENT APPLICATION: US/09/936,216

TIME: 14:00:04

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\I936216.raw

```

64 <212> TYPE: PRT
65 <213> ORGANISM: Bombyx mori nuclear polyhedrosis virus
67 <400> SEQUENCE: 5
68 His Gly Tyr Leu Ser Leu Pro Thr Ala Arg Gln Tyr Lys
69   1               5               10
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 13
75 <212> TYPE: PRT
76 <213> ORGANISM: Choristoneura fumiferana nuclear polyhedrosis virus
78 <400> SEQUENCE: 6
79 His Gly Tyr Leu Ser Val Pro Val Ala Arg Gln Tyr Lys
80   1               5               10
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 13
86 <212> TYPE: PRT
87 <213> ORGANISM: Mamestra brassica nuclear polyhedrosis virus
89 <400> SEQUENCE: 7
90 His Gly Tyr Leu Ser Tyr Pro Val Ala Arg Gln Tyr Lys
91   1               5               10
95 <210> SEQ ID NO: 8
96 <211> LENGTH: 13
97 <212> TYPE: PRT
98 <213> ORGANISM: Xestria c-nigrum GV
100 <400> SEQUENCE: 8
101 His Gly Phe Met Leu Tyr Pro Leu Ala Arg Gln Tyr Arg
102   1               5               10
106 <210> SEQ ID NO: 9
107 <211> LENGTH: 26
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
114 <400> SEQUENCE: 9
W--> 115 cayggwtata trcanittcc tatagc                26
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 24
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
126 <400> SEQUENCE: 10
127 acartttrtar aawccttcwc cyac                24
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 220
132 <212> TYPE: PRT
133 <213> ORGANISM: Dermolepida albohirtum entomopoxvirus
135 <400> SEQUENCE: 11
136 His Gly Tyr Ile Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Asn Val
137   1               5               10               15

```

26

*see p.6  
for error  
explanation*

24

## RAW SEQUENCE LISTING

DATE: 10/30/2002

PATENT APPLICATION: US/09/936,216

TIME: 14:00:04

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\I936216.raw

```

139 Gln Gly Gly Phe Trp Trp Pro Thr Asp Gly Ser Ala Ile Pro Asp Pro
140          20          25          30
142 Met Cys Arg Ala Ala Tyr Gln Asn Val Phe Asn Thr Val Leu Gln Gln
143          35          40          45
145 Gly Gly Ser Leu Asn Gln Ala Ala Thr Ala Ala Gln Tyr Met Phe Gln
146          50          55          60
148 Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Ser Asn Phe Arg Asp Leu
149 65          70          75          80
151 Asn His Ile Gln Asn Asn Val Val Pro Phe Asp Leu Cys Ala Ala Gly
152          85          90          95
154 Ala Asn Asn Trp Arg Arg Val Pro Phe Gly Asp Lys Ser Gly Met Asp
155          100         105         110
157 Ile Ser Gly Ser Trp Thr Pro Thr Gly Ile Pro Leu Glu Ser Asn Thr
158          115         120         125
160 Val Gly Thr Gly Pro Ile Glu Phe Glu Phe Cys Pro Thr Ala Ile His
161          130         135         140
163 Glu Pro Ser Phe Phe Glu Ile Tyr Ile Thr Val Pro Asn Phe Asn Val
164 145          150          155          160
166 Phe Thr Asp Gln Val Thr Trp Ser Gln Leu Glu Asn Ile Phe Thr Gly
167          165         170         175
169 Pro Ile Pro Leu Val Ala Arg Arg Pro Asp Ser Leu Cys Asn Ala Asn
170          180         185         190
172 Ser Arg Val Tyr Arg Ile Thr Val Gly Ile Pro Met Arg Gln Thr Gln
173          195         200         205
175 Phe Val Leu Tyr Val Arg Trp Gln Arg Ile Asp Pro
176          210         215         220
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 220
182 <212> TYPE: PRT
183 <213> ORGANISM: Melolontha melolontha entomopoxvirus
185 <400> SEQUENCE: 12
186 His Gly Tyr Ile Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Asn Val
187 1          5          10          15
189 Gln Gly Gly Phe Trp Trp Pro Pro Gly Gly Ser Gly Ile Pro Asp Pro
190          20          25          30
192 Met Cys Arg Ala Ala Tyr Gln Asn Val Tyr Asn Lys Val Leu Gln Gln
193          35          40          45
195 Gly Gly Thr Ile Asp Gln Ala Ala Ser Ala Ala Gln Tyr Met Phe Gln
196          50          55          60
198 Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Pro Asn Tyr Leu Asp Gln
199 65          70          75          80
201 Asn His Ile Arg Asn Asn Val Val Pro Asn Tyr Leu Cys Ala Ala His
202          85          90          95
204 Ala Thr Thr Trp Arg Ile Arg Pro Phe Gly Asp Lys Thr Gly Met Asp
205          100         105         110
207 Val Ser Gly Ser Trp Thr Pro Thr Val Ile Pro Leu Gln Asp Asn Thr
208          115         120         125
210 Val Ser Thr Val Pro Ile Glu Phe Glu Phe Cys Pro Thr Ala Ile His
211          130         135         140

```

## RAW SEQUENCE LISTING

DATE: 10/30/2002

PATENT APPLICATION: US/09/936,216

TIME: 14:00:04

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\I936216.raw

```

213 Glu Pro Ser Phe Phe Glu Ile Tyr Ile Thr Val Pro Ser Phe Asn Val
214 145                               150                     155                     160
216 Tyr Thr Asp Gln Val Thr Trp Gln Gln Leu Ile Asn Ile Phe Thr Gly
217                               165                               170                     175
219 Pro Ile Pro Leu Val Gln Arg Arg Pro Asp Ser Gln Cys Asn Ala His
220                               180                               185                     190
222 Asn Leu Val Tyr Arg Thr Thr Val Gly Ile Pro Val Arg Gln Thr Gln
223                               195                               200                     205
225 Phe Val Leu Tyr Val Arg Trp Gln Arg Asn Asp Pro
226 210                               215                     220

```

230 &lt;210&gt; SEQ ID NO: 13

231 &lt;211&gt; LENGTH: 220

232 &lt;212&gt; TYPE: PRT

233 &lt;213&gt; ORGANISM: Anomala cuprea entomopoxvirus

235 &lt;400&gt; SEQUENCE: 13

```

236 His Gly Tyr Val Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Asn Val
237 1                               5                               10                     15
239 Gln Gly Gly Phe Trp Trp Pro Pro Glu Gly Thr Asn Ile Pro Asp Pro
240                               20                               25                     30
242 Met Cys Arg Ala Ala Tyr Gln Tyr Val Phe Asn Lys Val Leu Ser Glu
243                               35                               40                     45
245 Gly Gly Ser Thr Ser Gln Ala Ala Ser Ala Ala Gln Tyr Met Phe Gln
246 50                               55                               60
248 Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Pro Asn Phe Arg Asp Ile
249 65                               70                               75                     80
251 Cys Trp Ile Lys Glu Gln Val Val Pro Asp Tyr Leu Cys Ala Ala Gly
252                               85                               90                     95
254 Ala Asp Thr Trp Arg Ile Arg Pro Phe Gly Asp Lys Thr Gly Met Asp
255                               100                              105                     110
257 Ile Val Gly Ser Trp Pro Pro Thr Val Ile Pro Leu Glu Asn Asn Phe
258                               115                              120                     125
260 Val Asn Thr Ile Pro Ile Glu Leu Glu Phe Cys Pro Thr Ala Ile His
261                               130                              135                     140
263 Glu Pro Ser Tyr Phe Glu Val Tyr Val Thr Thr Pro Glu Phe Asn Val
264 145                              150                              155                     160
266 Tyr Arg Asp Lys Val Thr Trp Pro Leu Leu Glu Leu Val Phe Asn Ser
267                               165                              170                     175
269 Thr Val Pro Leu Val Asn Arg Arg Ala Asp Ser Leu Cys Thr Ala Asn
270                               180                              185                     190
272 Ala Arg Val Tyr Arg Met Ile Val Pro Val Pro Tyr Arg Gln Thr Gln
273                               195                              200                     205
275 Phe Val Ile Tyr Val Arg Trp Gln Arg Ile Asp Pro
276 210                              215                              220

```

280 &lt;210&gt; SEQ ID NO: 14

281 &lt;211&gt; LENGTH: 221

282 &lt;212&gt; TYPE: PRT

283 &lt;213&gt; ORGANISM: Choristoneura biennis entomopoxvirus

285 &lt;400&gt; SEQUENCE: 14

286 His Gly Tyr Met Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Ser Ala

## RAW SEQUENCE LISTING

DATE: 10/30/2002

PATENT APPLICATION: US/09/936,216

TIME: 14:00:04

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\I936216.raw

```

287      1              5              10              15
289 Ala Gly Gly Asn Trp Tyr Pro Val Gly Gly Gly Ile Gln Asp Pro
290              20              25              30
292 Met Cys Arg Ala Ala Tyr Gln Asn Val Phe Asn Lys Val Leu Asn Ser
293              35              40              45
295 Asn Gly Gly Asp Val Ile Asp Ala Ser Glu Ala Ala Asn Tyr Met Tyr
296              50              55              60
298 Thr Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Pro Asp Tyr Thr Asn
299      65              70              75              80
301 Ile Cys His Ile Gln Gln Arg Val Val Pro Ser Tyr Leu Cys Ala Ala
302              85              90              95
304 Gly Ala Ser Asp Trp Ser Ile Arg Pro Phe Gly Asp Lys Ser Gly Met
305              100             105             110
307 Asp Leu Pro Gly Ser Trp Thr Pro Thr Ile Ile Gln Leu Ser Asp Asn
308              115             120             125
310 Gln Gln Ser Asn Val Val Met Glu Leu Glu Phe Cys Pro Thr Ala Val
311              130             135             140
313 His Asp Pro Ser Tyr Tyr Glu Val Tyr Ile Thr Asn Pro Ser Phe Asn
314      145             150             155             160
316 Val Tyr Thr Asp Asn Val Val Trp Ala Asn Leu Asp Leu Ile Tyr Asn
317              165             170             175
319 Asn Thr Val Thr Leu Arg Pro Lys Leu Pro Glu Ser Thr Cys Ala Ala
320              180             185             190
322 Asn Ser Met Val Tyr Arg Phe Glu Val Ser Ile Pro Val Arg Pro Ser
323              195             200             205
325 Gln Phe Val Leu Tyr Val Arg Trp Gln Arg Ile Asp Pro
326      210             215             220
330 <210> SEQ ID NO: 15
331 <211> LENGTH: 220
332 <212> TYPE: PRT
333 <213> ORGANISM: Helicoverpa armigera entomopoxvirus
335 <400> SEQUENCE: 15
336 His Gly Tyr Met Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Ser Val
337      1              5              10              15
339 Arg Gly Gly Gln Trp Trp Pro Pro Asn Gly Asp Gly Ile Thr Asp Thr
340              20              25              30
342 Met Cys Arg Ala Ala Tyr Gln Asn Val Tyr Asn Lys Val Leu Asn Gln
343              35              40              45
345 Tyr Asn Asp Pro Gln Glu Ala Ala Thr Ala Ala Gln Tyr Met Phe Gln
346              50              55              60
348 Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Pro Asp Tyr Thr Asn Leu
349      65              70              75              80
351 Cys Asn Leu Gln Gln Asn Val Val Pro Asn Asn Leu Cys Ala Ala Gly
352              85              90              95
354 Ala Asp Asp Trp Asp Val Val Pro Phe Gly Asp Lys Ser Gly Met Asp
355              100             105             110
357 Leu Pro Gly Asn Trp Val Pro Thr Val Ile Pro Leu Asp Ser Asn His
358              115             120             125
360 Gln Ser Ser Val Ala Leu Glu Leu Glu Phe Cys Pro Thr Ala Val His

```

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/09/936,216

DATE: 10/30/2002

TIME: 14:00:05

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\I936216.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; N Pos. 15

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/936,216

DATE: 10/30/2002

TIME: 14:00:05

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\I936216.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application No  
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:0 M:201 W: Mandatory field data missing, <130> FILE REFERENCE  
L:31 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:  
L:54 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:  
L:115 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:9  
L:115 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:9  
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0